PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

| Applicant's or agent's fi | lo reference | T | ······································ | | | | |
|---|--------------------------------------|---|--|--|--|--|--|
| Applicant's or agent's file reference K 39 868/1 am | | FOR FURTHER ACTION See Form PCT/IPEA/416 | | See Form PCT/IPEA/416 | | | |
| | | International filing date 08.01.2004 | o (day/month/year) | Priority date (day/month/year) 09.01.2003 | | | |
| International Patent Classification (IPC) or national classification and IPC C08K11/00, C08J5/18 | | | | | | | |
| Applicant BOREALIS TECHNOLOGY OY | | | | | | | |
| This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. | | | | | | | |
| 2. This REPORT | consists of a total o | f 4 sheets, including | this cover sheet. | | | | |
| | | ANNEXES, compris | | | | | |
| a. □ sent to t | he applicant and to | the International Bur | eau) a total of sheets, a | as follows: | | | |
| a. sent to the applicant and to the International Bureau) a total of sheets, as follows: sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). | | | | | | | |
| sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the International application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. | | | | | | | |
| b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)), containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions). | | | | | | | |
| 4. This report contains indications relating to the following items: | | | | | | | |
| ☑ Box No. I | Basis of the opin | ion | | | | | |
| ☐ Box No. II | Priority | | | | | | |
| ☐ Box No. III | Non-establishme | nt of opinion with reas | ard to novelty, inventive | step and industrial applicability | | | |
| ☐ Box No. IV | Lack of unity of ir | nvention | and the state of t | or and industrial applicability | | | |
| ⊠ Box No. V | Reasoned staten applicability; citat | nent under Article 35(ions and explanations | 2) with regard to novelty s supporting such staten | r, inventive step or industrial nent | | | |
| ☐ Box No. VI | Certain documen | ts cited | | | | | |
| ☐ Box No. VII | Certain defects in | the international app | lication | | | | |
| ☐ Box No. VIII | Certain observati | ons on the internation | al application | | | | |
| Date of submission of the demand | | | Date of completion of thi | s report | | | |
| 09.07.2004 | | | 04.03.2005 | | | | |
| Name and mailing address of the international preliminary examining authority: | | | Authorized Officer | | | | |
| European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016 | | | Siemens, T | THE PARTY OF THE P | | | |
| | | | Telephone No. +31 70 3 | 40-3642 | | | |

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/EP2004/000078

| _ | | | | | | | |
|----|--|---|--|--|---|--|--|
| | В | ox No. I | Basis of the re | port | | | |
| 1 | . Wi file | With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. | | | | | |
| | | ☐ inte | rnational search lication of the int | i a translation lurnis (under Rules 12.3 a ernational applicatio | e original language into the following language , shed for the purposes of: and 23.1(b)) on (under Rule 12.4) ander Rules 55.2 and/or 55.3) | | |
| 2 | | | | * of the internationa eceiving Office in re d are not annexed to | al application, this report is based on (replacement sheets which esponse to an invitation under Article 14 are referred to in this to this report): | | |
| | Des | scription, | Pages | | | | |
| | 1-1 | 2 | | as originally filed | i | | |
| | Cla | ims, Num | bers | | | | |
| | 1-21 | | as originally filed | I | | | |
| | | a seque | nce listing and/o | r any related table(s | s) - see Supplemental Box Relating to Sequence Listing | | |
| 3. | | ☐ the d☐ the d☐ the d☐ the s | lescription, page laims, Nos. rawings, sheets/ equence listing <i>i</i> | fias | | | |
| 4. | □ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)). □ the description, pages □ the claims, Nos. □ the drawings, sheets/figs □ the sequence listing (specify): □ any table(s) related to sequence listing (specify): | | | | | | |
| | * | If iten | 1 4 applies, | some or all of | these sheets may be marked "superseded." | | |

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/EP2004/000078

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

No: Claims

ns 1-21

Inventive step (IS)

Yes: Claims

No: Claims 1-21

Industrial applicability (IA)

Yes: Claims

1-21

No: Claims

2. Citations and explanations (Rule 70.7):

see separate sheet

PCT/EP2004/000078

Re Item V.

1 The following documents are referred to in this communication:

D1: EP 0 658 310 A (WOLFF WALSRODE AG) 21 June 1995 (1995-06-21)

D2: DATABASE WPI Section PQ, Week 200201

Derwent Publications Ltd., London, GB; Class P84, AN 2002-005686 XP002248165 &; JP 2001 281965 A (RICOH KK) 10

October 2001 (2001-10-10)

Novelty

D1 discloses a stretched article consisiting of a polymer composition which comprises a polyolefin matrix and a dispersed nanofiller. The composition shows the claimed oxygen as well as moisture transfer rate (see p. 9, table 1). Therefore D1 destroys the novelty of claims 1-21.

D2 discloses a stretched article containing a nanofiller which is dispersed therein. Hence D2 destroys the novelty of claim 1.